

# SHOE CONSTRUCTION UTILIZING A BOOTIE WITH AN IMPERVIOUS SOLE AND A METHOD OF PRODUCTION

## Abstract

A shoe construction that includes a sole and an upper, wherein the sole and the upper together define a volume for receiving and protecting a wearer's foot against external elements. There is a liquid impermeable bootie that includes an inner, upper liner that is attached to a sole liner. The inner, upper liner is preferably air permeable, moisture vapor transmissive, oleophobic and liquid impermeable and is located inside the upper. The sole liner is air impermeable, moisture vapor impermeable and liquid impermeable and is located above the sole. The sole liner is preferably, but not necessarily, inelastic. Materials that may be utilized for the inner, upper liner can include treated membranes. Some of the types of materials that may be used for the sole liner can include inelastic, thermoplastic materials, fiber reinforced polymeric materials and nonthermoplastic materials.